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## Resume of Charles N. Calvano, 1993-08

Calvano, Charles\_N.

Monterey, California: Naval Postgraduate School

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## RESUME OF CHARLES N. CALVANO

Charles N. Calvano was born in September 1941 in Chicago. He graduated with distinction from the U.S. Naval Academy in 1963 and received an M.S. in Ocean Engineering and a Naval Engineer degree from MIT in 1970. He is a graduate of the Pennsylvania State University Executive Management Program and is a registered Professional Engineer.



He served on active duty in the U.S. Navy for over 28 years, retiring with the rank of Captain in 1991. His early tours were aboard Atlantic Fleet destroyers as Combat Information Center Officer, Weapons Officer and Operations Officer. While attending MIT, he became an Engineering Duty Officer, specializing in the design, construction, acquisition and repair of Navy ships and their systems.

His Engineering Duty Officer tours included four years at the Supervisor of Shipbuilding in Newport News, VA, where he was the Navy Project Officer for construction of nuclear powered guided missile cruisers (CGNs). On the staff of the Commander, Naval Surface Forces, U.S. Atlantic Fleet, he managed the maintenance and modernization of all guided missile ships and later planning and budget officer for all Atlantic Fleet surface ship maintenance and modernization. He was the Deputy Supervisor of Shipbuilding at Portsmouth, VA, where he held simultaneous responsibilities as the Quality Assurance Officer and later, as the Planning Officer. From 1983 to 1986 he was the Officer in Charge of the Annapolis Laboratory of the David Taylor Research Center and went from there to the position of Commanding Officer of the Engineering Duty Officer School in Vallejo, CA.

Prof. Calvano served in the Naval Sea Systems Command (NAVSEA), in Washington, as the Director of the Ship Design Group, responsible for the early stage design of all Navy ships. His last position on active duty was in NAVSEA as the Director of the Ship Concepts and Technology Group, where he directed the study of ship designs and emerging technologies for future Navy use.

He joined the NPS faculty in October 1991, to head the development of the Total Ship Systems Engineering program, which educates officers from the Mechanical Engineering, Electrical Engineering and Combat Systems curricula in the systems development, including design, of Navy ships. The first students completed the program and produced a well-received design for a Regional Deterrence Ship for littoral waters operations, in March of 1993. Prof. Calvano is a member of the Society of Naval Architects and Marine Engineers, where he serves on the Technical and Research Steering Committee; the American Society of Naval Engineers, where he is a national council member for the Western region and a member of the Journal Committee; the American Society of Mechanical Engineers; the Tau Beta Pi engineering honor society and the American Society for Engineering Education. He is also a member of the National Shipbuilding Research Program's research and advisory panel for ship design and production.

He and his wife, Kathi, live in Monterey and have three daughters.